## OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/903,463

DATE: 08/06/2001
TIME: 15:38:20

Input Set : A:\ES.txt

Output Set: N:\CRF3\08062001\I903463.raw

ENTERED

	3	<110>	APPLICANT: Levy, Andrew P.				
	5	<120>	TITLE OF INVENTION: NOVEL ANTIOXIDANT, NUCLEIC ACID CONSTRUCTS	ENCODING SAME,			
PHARMACEUTICAL							
	6		COMPOSITIONS CONTAINING SAME AND USE OF SAME FOR REDUCING OXID	ATIVE-STRESS			
			FILE REFERENCE: 01/22194				
₹¢>	10	<140>	CURRENT APPLICATION NUMBER: US/09/903,463				
₽ c>			CURRENT FILING DATE: 2001-07-11				
			NUMBER OF SEQ ID NOS: 20				
			SOFTWARE: PatentIn version 3.1				
			SEQ ID NO: 1				
			LENGTH: 33				
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	21	<213>	ORGANISM: Artificial sequence $ u$				
	24	<220>	FEATURE:				
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	-		LENGTH: 36				
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			ORGANISM: Artificial sequence				
			FEATURE:				
			OTHER INFORMATION: synthetic oligonucleotide				
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			SEQ ID NO: 3 LENGTH: 36				
			TYPE: DNA				
			ORGANISM: Artificial sequence				
			FEATURE:				
			OTHER INFORMATION: synthetic oligonucleotide				
			SEQUENCE: 3				
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			SEQ ID NO: 4				
			LENGTH: 33				
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96 <400> SEQUENCE: 5

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97 cgcggattcg tttctgggtg ggggcgaaat gcc	33
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121 <212> TYPE: DNA	
123 <213> ORGANISM: Artificial sequence	
126 <220> FEATURE:	
128 <223> OTHER INFORMATION: synthetic oligonucleotide	
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131 cgcggatccg tagactcagg caatgatgtc acg	33
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138 <212> TYPE: DNA	
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163 caccataatc tcaccacagg tgccacgctg atcaatgaac aatggctgct gaccacggct	120
165 aaaaatctct tcctgaacca ttcagaaaat gcaacagcga aagacattgc ccctacttta	180
167 acactetatg tggggaaaaa geagettgta gagattgaga aggttgttet acaceetaae	240
169 tactcccagg tagatattgg gctcatcaaa ctcaaacaga aggtgtctgt taatgagaga	300
171 gtgatgccca tctgcctacc ttcaaaggat tatgcagaag tagggcgtgt gggttatgtt	360
173 tctgggtggg ggcgaaatgc caattttaaa tttactgacc atctgaagta tgtcatgctg	420
175 cctqtqqctq accaagacca atgcataagg cattatgaag gcagcacagt ccccgaaaag	480
177 aagacaccga agagccctgt aggggtgcag cccatactga atgaacacac cttctgtgct	540
179 ggcatgtcta agtaccaaga agacacetge tatggegatg egggeagtge etttgeegtt	600
181 cacgacctgg aggagaacac ctggtatgcg actgggatct taagctttga taagagctgt	660
183 gctgtggctg agtatggtgt gtatgtgaag gtgacttcca tccaagactg ggttcagaag	720
185 accatagctg agaactaa	738
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20	)1 agagtgatgc ccatctgcct accttcaaag gattatgcag aagtagggcg tgtgggttat	120
	33 gtttctgggt gggggcgaaa tgccaatttt aaatttactg accatctgaa gtatgtcatg	180
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	21 gtttctgggt gggggggaaa tgccaatttt aaatttactg accatctgaa gtatgtcatg	60
2:	23 ctgcctgtgg ctgaccaaga ccaatgcata aggcattatg aaggcagcac agtccccgaa	120
2	25 aagaag	126
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2	34 <213> ORGANISM: Homo sapiens	
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	41 ctg	63
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	57 attgcacatg gctatgtgga gcactcggtt cgctaccagt gtaagaacta ctacaaactg	-
	59 cgcacagaag gagatggagt atacacctta aatgataaga agcagtggat aaataaggct	180
	61 gttggagata aactteetga atgtgaagea gatgaegget geeegaagee eeeegagatt	240
	63 gcacatgget atgtggagea eteggttege taceagtgta agaactaeta caaactgege	300
	65 acagaaggag atggagtgta caccttaaac aatgagaagc agtggataaa taaggctgtt	360
2	67 ggagataaac ttcctgaatg tgaagca	387
2	70 <210> SEQ ID NO: 14	
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2	74 <212> TYPE: DNA	
2	76 <213> ORGANISM: Homo sapiens	
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2	B1 gtagactcag gcaatgatgt cacggatatc gcagatgacg gctgcccgaa gccccccgag	60
	83 attgcacatg gctatgtgga gcactcggtt cgctaccagt gtaagaacta ctacaaactg	120
	85 cgcacagaag gagatggagt atacacctta aatgataaga agcagtggat aaataaggct	180
	87 gttggagata aacttcctga atgtgaagca	210
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	96 <213> ORGANISM: Homo sapiens	
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	02 Ile Leu Gly Gly His Leu Asp Ala Lys Gly Ser Phe Pro Trp Gln Ala	
	06 Arg Met Val Ser His His Asn Leu Thr Thr Gly Ala Thr Leu Ile Asn	
31	07 20 25 30	

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310 Glu Gln Trp Leu Leu Thr Thr Ala Lys Met Leu Phe Leu Asn His Ser
           35
314 Glu Asn Ala Thr Ala Lys Asp Ile Ala Pro Thr Leu Thr Leu Tyr Val
318 Gly Lys Lys Gln Leu Val Glu Ile Glu Lys Val Val Leu His Pro Asn
                       70
322 Tyr Ser Gln Val Asp Ile Gly Leu Ile Lys Leu Lys Gln Lys Val Ser
                   85
                                        90
326 Val Asn Glu Arg Val Met Pro Ile Cys Leu Pro Ser Lys Asp Tyr Ala
                                    105
327
330 Glu Val Gly Arg Val Gly Tyr Val Ser Gly Trp Gly Arg Asn Ala Asn
                                120
331 115
334 Phe Lys Phe Thr Asp His Leu Lys Tyr Val Met Leu Pro Val Ala Asp
                                                140
                           135
338 Gln Asp Gln Cys Ile Arg His Tyr Glu Gly Ser Thr Val Pro Glu Lys
                       150
                                            155
342 Lys Thr Pro Lys Ser Pro Val Gly Val Gln Pro Ile Leu Asn Glu His
                                       170
                   165
346 Thr Phe Cys Ala Gly Met Ser Lys Tyr Gln Glu Asp Thr Cys Tyr Gly
                                   185
             180
350 Asp Ala Gly Ser Ala Phe Ala Val His Asp Leu Glu Glu Asn Ile Trp
                                200
354 Tyr Ala Thr Gly Ile Leu Ser Phe Asp Lys Ser Cys Ala Val Ala Glu
                                               220
                           215
        210
358 Tyr Gly Val Tyr Val Lys Val Thr Ser Ile Gln Asp Trp Val Gln Lys
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359 225
362 Thr Ile Ala Glu Asn
363
366 <210> SEQ ID NO: 16
368 <211> LENGTH: 82
370 <212> TYPE: PRT
372 <213> ORGANISM: Homo sapiens
376 <400> SEQUENCE: 16
378 Asn Tyr Ser Gln Val Asp Ile Gly Leu Ile Lys Leu Lys Gln Lys Val
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382 Ser Val Asn Glu Arg Val Met Pro Ile Cys Leu Pro Ser Lys Asp Tyr
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386 Ala Glu Val Gly Arg Val Gly Tyr Val Ser Gly Trp Gly Arg Asn Ala
                                40
390 Asn Phe Lys Phe Thr Asp His Leu Lys Tyr Val Met Leu Pro Val Ala
394 Asp Gln Asp Gln Cys Ile Arg His Tyr Glu Gly Ser Thr Val Pro Glu
395 65
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398 Lys Lys
402 <210> SEQ ID NO: 17
404 <211> LENGTH: 42
406 <212> TYPE: PRT
408 <213> ORGANISM: Homo sapiens
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```
414 Val Ser Gly Trp Gly Arg Asn Ala Asn Phe Lys Phe Thr Asp His Leu
415 1
418 Lys Tyr Val Met Leu Pro Val Ala Asp Gln Asp Gln Cys Ile Arg His
422 Tyr Glu Gly Ser Thr Val Pro Glu Lys Lys
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426 <210> SEQ ID NO: 18
428 <211> LENGTH: 21
430 <212> TYPE: PRT
432 <213> ORGANISM: Homo sapiens
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442 Lys Tyr Val Met Leu
443
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448 <211> LENGTH: 129
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452 <213> ORGANISM: Homo sapiens
456 <400> SEQUENCE: 19
458 Val Asp Ser Gly Asn Asp Val Thr Asp Ile Ala Asp Asp Gly Cys Pro
462 Lys Pro Pro Arg Ile Ala His Gly Tyr Val Glu His Ser Val Arg Tyr
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466 Gln Cys Lys Asn Tyr Tyr Lys Leu Arg Thr Glu Gly Asp Gly Val Tyr
470 Thr Leu Asn Asp Lys Lys Gln Trp Ile Asn Lys Ala Val Gly Asp Lys
                            55
474 Leu Pro Glu Cys Glu Ala Asp Asp Gly Cys Pro Lys Pro Pro Glu Ile
478 Ala His Gly Tyr Val Glu His Ser Val Arg Tyr Gln Cys Lys Asn Tyr
                   85
482 Tyr Lys Leu Arg Thr Glu Gly Asp Gly Val Tyr Thr Leu Asn Asn Glu
                                    105
486 Lys Gln Trp Ile Asn Lys Ala Val Gly Asp Lys Leu Pro Glu Cys Glu
487
           115
490 Ala
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498 <212> TYPE: PRT
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504 <400> SEQUENCE: 20
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507 1
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510 Lys Pro Pro Arg Ile Ala His Gly Tyr Val Glu His Ser Val Arg Tyr
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514 Gln Cys Lys Asn Tyr Tyr Lys Leu Arg Thr Glu Gly Asp Gly Val Tyr
518 Thr Leu Asn Asp Lys Lys Gln Trp Ile Asn Lys Ala Val Gly Asp Lys
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/903,463

DATE: 08/06/2001 TIME: 15:38:21

Input Set : A:\ES.txt

Output Set: N:\CRF3\08062001\1903463.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date